- a shutter unit disposed between a light emitting unit and a light guiding unit;
- wherein when the shutter unit is in a non-light-blocking state, the light emitting unit emits light toward a tracing surface, the optical sensing unit senses light reflected by the tracing surface and transfers optical data to the control unit, and the control unit generates a pointer control signal of movement of a pointing cursor based on the optical data;
- wherein when the shutter unit is in a light-blocking state, the shutter unit blocks light emitted by the light emitting unit toward the light guiding unit, the optical sensing unit senses a darkness and transfers darkness data to the control unit, and the control unit performs a configured function based on the darkness data.
- 7. The optical mouse of claim 6, further comprising at least one button unit connected with the shutter unit.
- 8. The optical mouse of claim 7, wherein when the at least one button unit is pressed, the shutter unit is in a light-blocking state instantaneously, such that the light emitting unit instantaneously stops emitting light to generate the darkness.
- 9. The optical mouse of claim 7, wherein when the at least one button unit is pressed, the shutter unit is instantaneously at any permutation of at least one light-blocking state and at least one non-light-blocking state, such that the light emitting unit generates a darkness pattern based on any permutation of at least one light-blocking state and at least one non-light-blocking state; the optical sensing unit senses the darkness pattern and transfers a darkness pattern data to the control unit; and the control unit performs the configured function based on the darkness pattern data.
- 10. The optical mouse of claim 9, wherein the darkness pattern is a code signal instructing the control unit to perform the corresponding configured function.
- 11. The optical mouse of claim 7, wherein the at least one button unit comprises an elastic element connected to the shutter unit, and the elastic element is configured to provide a recovering force for the shutter unit such that the shutter unit is restored from the light-blocking state to the non-light-blocking state.
- 12. The optical mouse of claim 8, wherein the at least one button unit comprises an elastic element connected to the shutter unit, and the elastic element is configured to provide a recovering force for the shutter unit such that the shutter unit is restored from the light-blocking state to the non-light-blocking state.
- 13. The optical mouse of claim 9, wherein the at least one button unit comprises an elastic element connected to the shutter unit, and the elastic element is configured to provide a recovering force for the shutter unit such that the shutter unit is restored from the light-blocking state to the non-light-blocking state.
- 14. The optical mouse of claim 10, wherein the at least one button unit comprises an elastic element connected to the shutter unit, and the elastic element is configured to provide a recovering force for the shutter unit such that the shutter unit is restored from the light-blocking state to the non-light-blocking state.
- **15**. A method for performing a configured function of an optical mouse, wherein the optical mouse is provided with

- a control unit, an optical sensing unit, and a light emitting unit, and the control unit is electrically connected to the optical sensing unit, the method comprising:
 - a switch unit being electrically connected to the light emitting unit, and the switch unit being in a turn-off state to cause the light emitting unit to stop emitting the light;
 - sensing a darkness and transferring darkness data to the control unit by the optical sensing unit; and
 - performing the configured function based on the darkness data by the control unit.
- 16. The method for performing the configured function of the optical mouse of claim 15, wherein the step of the switch unit being in a turn-off state to cause the light emitting unit to stop emitting the light further comprises the steps of:
 - the switch unit being instantaneously at any permutation of at least one turn-off state and at least one turn-on state, such that the light emitting unit generates a darkness pattern based on any permutation of at least one turn-off state and at least one turn-on state;
 - sensing the darkness pattern and transferring a darkness pattern data to the control unit by the optical sensing unit; and
 - performing the configured function based on the darkness pattern data by the control unit.
- 17. A method for performing a configured function of an optical mouse, wherein the optical mouse is provided with a control unit, an optical sensing unit, and a light emitting unit, and the control unit is electrically connected to the optical sensing unit, the method comprising:
 - a shutter unit being used to block light outputted by the light emitting unit, the shutter unit being in a light-blocking state to cause the shutter unit to block light emitted by the light emitting unit toward a light guiding unit:
 - sensing a darkness and transferring darkness data to the control unit by the optical sensing unit; and
 - performing a configured function based on the darkness data by the control unit.
- 18. The method for performing the configured function of the optical mouse of claim 17, wherein the step of the shutter unit being in a light-blocking state to cause the shutter unit to block light emitted by the light emitting unit toward a light guiding unit further comprises the steps of:
 - the shutter unit being instantaneously at any permutation of at least one light-blocking state and at least one non-light-blocking state, such that the light emitting unit generates a darkness pattern based on any permutation of at least one light-blocking state and at least one non-light-blocking state;
 - sensing the darkness pattern and transferring a darkness pattern data to the control unit by the optical sensing unit; and
 - performing the configured function based on the darkness pattern data by the control unit.

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